

A clean version of each replacement claim is submitted below. Please enter each claim.

CSA 7) (Amended) A composition for inserting into an organism, comprising: a disulfide bond that is labile under physiologic conditions and is cleaved more rapidly than oxidized glutathione resulting in the formation of two molecules.

C² 10) The composition of claim 9 wherein the polymer is selected from the group consisting of a polycation, a polyanion, a neutral polymer, and an amphipathic polymer.

11) The composition of claim 7 wherein the composition includes a ligand.

19) A composition for inserting into an organism, comprising: a disulfide bond that is labile under physiologic conditions and constructed from thiols in which one of the constituent thiols has a lower pKa than glutathione resulting in the formation of two molecules.

20) The composition of claim 19 wherein the composition is amphipathic.

21) The composition of claim 19 wherein the composition comprises a polymer.

22) The composition of claim 21 wherein the polymer is selected from the group consisting of a polycation, a polyanion, a neutral polymer, and an amphipathic polymer.

Q 3 23) The composition of claim 19 wherein the composition contains a ligand.

sub 027 24) A composition for inserting into an organism, comprising: a disulfide bond that is labile under physiologic conditions and is activated by intramolecular attack from a free thiol resulting in the formation of two molecules.

25) The composition of claim 24 wherein the composition is amphipathic.

26) The composition of claim 24 wherein the composition comprises a polymer.

27) The composition of claim 26 wherein the polymer is selected from the group consisting of a polycation, a polyanion, a neutral polymer, and an amphipathic polymer.

28) The composition of claim 24 wherein the composition contains a ligand.

Applicants hereby submit a version with markings to show changes made:

- 7) (Amended) [A compound for inserting into an organism, comprising: the compound having a disulfide bond that is labile under physiologic conditions consisting of (a) a disulfide bond that is cleaved more rapidly than oxidized glutathione and (b) a disulfide bond constructed from thiols in which one of the constituent thiols has a lower pKa than glutathione and (c) a disulfide bond that is activated by intramolecular attack from a free thiol thereby forming two molecules derived from the compound.]

A composition for inserting into an organism, comprising: a disulfide bond that is labile under physiologic conditions and is cleaved more rapidly than oxidized glutathione resulting in the formation of two molecules.

- 10) (Amended) [The method of claim 7 wherein the polymer is selected from the group consisting of a polycation, a polyanion, a neutral polymer, and an amphipathic polymer.]

The composition of claim 9 wherein the polymer is selected from the group consisting of a polycation, a polyanion, a neutral polymer, and an amphipathic polymer.

- 11) (Amended) [The method of claim 7 wherein the compound contains a ligand.]

The composition of claim 7 wherein the composition includes a ligand.